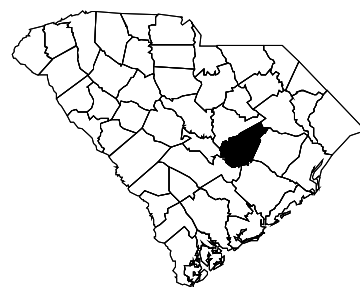


IMPACT OF CHRONIC CONDITIONS CLARENDON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Clarendon county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Clarendon county's population is similar to the state population. The majority (35%) of the population in Clarendon county are between the ages of 18-44. There are more females (50.4%) than males (49.6%). However, Clarendon county has a higher minority population (52%) than the state (31%). When adults in DHEC's Region 4 which includes Clarendon County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	CLARENDON COUNTY	STATE
Population size	33,363	4,255,083
Age distribution (%)		
<18	24	24
18-44	35	38
45-64	26	25
65-84	13	11
85+	2	2
Race (%)		
White	48	69
Black & Other	52	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Clarendon County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	22
Sedentary lifestyle	30	26
Overweight	75	65
High Cholesterol	30	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	38.1	.	.	.	.	31.7
Number of hospitalizations	70	53	17	39	31	5,032
Crude rate of hospitalizations (per 100,000)	210	307	106	235	185	118
Median age of hospitalized patients	62	62	67	62	62	57
Total cost of hospitalization (\$)	1,277,900	858,800	419,100	857,600	420,300	109,400,500
Average length of hospital stay (days)	5	5	5	6	4	5
Number of ED visits	97	79	18	44	53	7,466
Crude rate of ED visits (per 100,000)	291	457	112	266	315	175
Median age of ED patients	52	52	62	52	57	52
Total cost of ED visits (\$)	102,200	83,100	19,100	42,600	59,600	9,929,000
Number of deaths**	10	6	4	6	4	423
Age-Adjusted Death rate (per 100,000)**	25	35	16	32	17	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	609	263	346	305	304	60,901
Crude rate of hospitalizations (per 100,000)	1,825	1,522	2,152	1,841	1,810	1,431
Median age of hospitalized patients	67	67	67	67	72	67
Total cost of hospitalization (\$)	17,139,300	5,634,000	11,505,300	9,808,000	7,331,300	2,286,836,400
Average length of hospital stay (days)	5	6	4	5	5	5
Number of ED visits	214	103	111	111	103	12,989
Crude rate of ED visits (per 100,000)	641	596	690	670	613	305
Median age of ED patients	62	62	62	62	62	62
Total cost of ED visits (\$)	446,400	182,500	263,900	282,000	164,400	42,115,900
Number of deaths**	76	37	39	35	41	9,328
Age-Adjusted Death rate (per 100,000)**	206	226	191	229	180	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	120	59	61	71	49	13,925
Crude rate of hospitalizations (per 100,000)	360	341	379	429	292	327
Median age of hospitalized patients	67	67	77	72	67	72
Total cost of hospitalization (\$)	2,854,000	1,628,100	1,225,900	1,515,400	1,338,600	384,441,600
Average length of hospital stay (days)	8	10	5	7	8	6
Number of ED visits	44	25	19	28	16	2,515
Crude rate of ED visits (per 100,000)	132	145	118	169	95	59
Median age of ED patients	67	62	67	62	72	67
Total cost of ED visits (\$)	120,100	67,300	52,800	87,000	33,100	9,113,000
Number of deaths**	30	16	14	15	15	2,440
Age-Adjusted Death rate (per 100,000)**	83	94	70	106	64	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	152	84	68	63	89	15,753
Crude rate of hospitalizations (per 100,000)	456	486	423	380	530	370
Median age of hospitalized patients	55	52	62	57	52	62
Total cost of hospitalization (\$)	1,965,500	988,600	976,900	841,800	1,123,700	268,425,300
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	546	407	139	282	264	36,543
Crude rate of ED visits (per 100,000)	1,637	2,355	864	1,702	1,572	859
Median age of ED patients	32	27	47	27	42	37
Total cost of ED visits (\$)	402,300	272,600	129,700	216,700	185,600	40,613,700
Number of deaths**	15	5	10	5	10	1,968
Age-Adjusted Death rate (per 100,000)**	37	31	41	30	43	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	100	74	26	44	56	9,027
Crude rate of hospitalizations (per 100,000)	300	428	162	266	333	212
Median age of hospitalized patients	42	42	52	52	42	52
Total cost of hospitalization (\$)	1,221,600	915,700	305,900	562,500	659,100	179,747,700
Average length of hospital stay (days)	5	5	5	6	5	6
Number of ED visits	154	134	20	65	89	9,603
Crude rate of ED visits (per 100,000)	462	775	124	392	530	226
Median age of ED patients	57	57	57	57	57	52
Total cost of ED visits (\$)	116,600	97,900	18,700	50,100	66,500	13,447,300
Number of deaths**	14	10	4	9	5	1,183
Age-Adjusted Death rate (per 100,000)**	34	60	17	50	20	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	137	65	72	67	70	16,389
Crude rate of hospitalizations (per 100,000)	411	376	448	404	417	385
Median age of hospitalized patients	67	67	67	67	67	62
Total cost of hospitalization (\$)	4,996,200	2,109,800	2,886,400	2,696,800	2,299,400	664,309,500
Average length of hospital stay (days)	7	8	7	8	7	8
Number of deaths**	88	37	51	48	40	8,617
Age-Adjusted Death rate (per 100,000)**	222	220	219	279	181	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	20	11	9	12	8	2,070
Crude rate of hospitalizations (per 100,000)	60	64	56	72	48	49
Median age of hospitalized patients	77	77	77	77	67	67
Total cost of hospitalization (\$)	611,100	199,700	411,400	273,700	337,400	101,377,700
Average length of hospital stay (days)	7	5	10	6	9	10
Number of deaths**	11	5	6	5	6	812
Age-Adjusted Death rate (per 100,000)**	29	31	26	30	26	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	4	3	-	7	1,228
Crude rate of hospitalizations (per 100,000)	42	46	37	-	84	56
Median age of hospitalized patients	62	57	62	-	62	62
Total cost of hospitalization (\$)	155,300	111,800	43,500	-	155,300	26,163,000
Average length of hospital stay (days)	2	3	2	-	2	3
Number of deaths**	8	5	3	-	8	651
Age-Adjusted Death rate (per 100,000)**	40	48	36	-	40	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	7	10	12	5	2,181
Crude rate of hospitalizations (per 100,000)	51	41	62	72	30	51
Median age of hospitalized patients	67	72	67	70	67	67
Total cost of hospitalization (\$)	769,300	167,200	602,100	500,200	269,100	92,775,300
Average length of hospital stay (days)	9	5	12	9	9	9
Number of deaths**	23	6	17	14	9	2,703
Age-Adjusted Death rate (per 100,000)**	56	36	71	74	40	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	4	3	7	-	1,209
Crude rate of hospitalizations (per 100,000)	42	47	38	37	-	58
Median age of hospitalized patients	52	52	82	52	-	62
Total cost of hospitalization (\$)	204,000	141,900	62,100	204,000	-	30,356,600
Average length of hospital stay (days)	3	2	5	3	-	4
Number of deaths**	5	3	2	5	-	460
Age-Adjusted Death rate (per 100,000)**	38	57	29	38	-	30

*Prevalence at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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